Amendments to the Specification

Please replace paragraph [0021] with the following rewritten paragraph.

[0021] As shown in Fig. 1, the circuit 100 of the mobile device includes ~~a~~ an outlet 110 connected to the earphone, the processor 120 and the speech module 170. The outlet 110 can be an earphone socket with three connecting terminals, A, B, and C, which are respectively connected to the first terminal 104, the second terminal 106 and the third terminal 108 of the earphone plug 102. The processor 120 includes the determining module 130 for controlling the auto-connecting module 150 to execute the auto-connecting function and the manual-connecting function 160 to execute the manual-connecting function. The speech device can be a speaker or a microphone here.

Please replace paragraph [0025] with the following written paragraph.

[0025] Figs. 2A, 2B and 2C show schematic diagrams of the earphone of the first embodiment of the present invention. As shown in Fig. 2A, the earphone includes a pad 206 and a hook 204 for hanging the earphone on an ear and is connected to the earphone plug 202 through an earphone cord 210. The earphone cord 210 has a microphone (not illustrated) to transmit the user's voice. As shown in Fig. 2B, the hook 204 is not clipped on an ear and contacts the pad 206 and the axle 208 does not rotate when the earphone is not used. Here the control unit 184 of the detecting device 180 is a mechanical switch turning the switch S1 on or off. When the earphone is not in use, the axle 208 does not rotate and the control unit 184 does not turn ~~off~~ on the switch S1; thus the mobile device will accept phone calls manually.

Please replace paragraph [0026] with the following written paragraph.

[0026] As shown in Fig. 2C, when the earphone is clipped on an ear, the hook 204

relatively rotates away from the pad 206. The axle 208 rotates with the hook 204, and the mechanical switch, the control unit 184, turns ~~off~~ on the switch S1. Therefore, the mobile device chooses the auto-connecting mode when the earphone is clipped on an ear, and chooses the manual-connecting mode when the user takes off the earphone. Therefore, using the present invention may prevent missing phone calls when the user takes off the earphone without remembering to switch the answering mode.

Please replace paragraph [0027] with the following written paragraph.

[0027] Fig. 3A and Fig. 3B show schematic diagrams of the earphone of the second embodiment of the present invention. In this embodiment, the manual-connecting mode is the default setting as the switch S1 of Fig. 1 is ~~on~~ OFF. As Fig. 3A shows, the control unit 184 of the earphone 30 includes pressure sensors 302 and 304. The number and the location of the pressure sensors are decided according to the shape of the earphone and the position the user wears it. This embodiment uses two pressure sensors, sensors 302 and 304, to avoid false status signals produced when the only pressure sensor is pressed in a one-pressure-sensor configuration.

Please replace paragraph [0028] with the following written paragraph.

[0028] Fig. 3B is a side view of the earphone 30. When the earphone is placed on an ear to press the pressure sensors 302 and 304, the control unit 184 turns ~~off~~ on the switch S1 to execute the auto-connecting function. Therefore the auto-connecting function is executed only when the earphone is placed on an ear. For the rest of the time, the manual-connecting function is executed to prevent missing phone calls.

Please replace paragraph [0029] with the following written paragraph.

[0029] Fig. 4A and Fig. 4B show schematic diagrams of the earphone of the third embodiment of the present invention. In this embodiment, the manual-connecting mode is the default setting as the switch S1 of Fig. 1 is ~~on~~ OFF. The control unit 184 includes the first temperature sensor 402 and the second temperature sensor 404. The first temperature sensor 402 observes a first temperature as the second temperature sensor 404 observes a second temperature. When the earphone 40 is placed on an ear, the first temperature sensor 402 is placed in an ear hole. The number and the location of the second temperature sensor 404 are decided according to the earphone design, and are not restricted by Fig. 4A and Fig. 4B. Here the control unit 184 includes temperature sensors 402 and 404. When the earphone 40 is placed on an ear and the control unit 184 observes the first temperature higher than the second temperature, the control unit 184 turns on the switch S1 to set the auto-connecting module active. Therefore the auto-connecting function is executed only when the earphone is placed on an ear. For the rest of the time, the manual-connecting function is executed to prevent missing phone calls.

Please replace paragraph [0030] with the following written paragraph.

[0030] Fig. 5A and Fig. 5B show schematic diagrams of the earphone of the fourth embodiment of the present invention. In this embodiment, the manual-connecting mode is the default setting as the switch S1 of Fig. 1 is ~~on~~ OFF. The control unit 184 of the earphone 50 includes a touch switch connected to the housing 502. The housing 502 of the earphone is preferably made by metal or other materials that can transmit corporeal noises. When the earphone 50 is placed on an ear and the touch switch observes a corporeal noise from the metallic housing 502, the control unit 184 turns on the switch S1 to choose the auto-connecting mode. Therefore the auto-connecting function is executed only when the earphone 50 is placed on an ear.

For the rest of the time, the manual-connecting function is executed to prevent missing a phone call.

Please replace paragraph [0031] with the following written paragraph.

[0031] Fig. 6A and Fig. 6B show schematic diagrams of the earphone of the fifth embodiment of the present invention. In this embodiment, the manual-connecting mode is the default setting as the switch S1 of Fig. 1 is ~~on~~ OFF. The control unit 184 includes an ultrasonic transmitting device 604 and an ultrasonic receiving device 602. The numbers and the locations of the ultrasonic transmitting device 604 and the ultrasonic receiving device 602 are decided according to the earphone design, and are not restricted by Fig. 6A and Fig. 6B. When the earphone 60 is placed on an ear and the ultrasonic receiving device 602 receives ultrasonic signals from the ultrasonic transmitting device 604, the control unit 184 turns on the switch S1 to choose the auto-connecting mode. Therefore the auto-connecting function is executed only when the earphone 60 is placed on an ear. For the rest of the time, the manual-connecting function is executed to prevent missing phone calls.

Please replace paragraph [0032] with the following written paragraph.

[0032] Fig. 7A and Fig. 7B show schematic diagrams of the earphone of the sixth embodiment of the present invention. In this embodiment, the manual-connecting mode is the default setting as the switch S1 of Fig. 1 is ~~on~~ OFF. The control unit 184 includes an infrared ray transmitting device 704 and an infrared ray receiving device 702. The numbers and the locations of the infrared ray transmitting device 704 and the infrared ray receiving device 702 are decided according to the earphone design, and are not restricted by Fig. 7A and Fig. 7B. When the earphone 70 is placed on an ear and the infrared ray receiving device 702 cannot receive the

infrared ray signal from the infrared ray transmitting device 704, the control unit 184 turns on the switch S1 to set the auto-connecting module active. Therefore the auto-connecting function is executed only when the earphone 60 is placed on an ear. For the rest of the time, the manual-connecting function is executed to prevent missing phone calls.